

WHAT IS CLAIMED IS:

1. A conductive resin composition comprising a resin component and a conductive filler,
wherein said conductive filler comprises a graphite powder and a fine carbon fiber having a fiber diameter of 1 to 500 nm and a hollow structure.

2. The conductive resin composition according to claim 1, which further comprising carbon black.

3. The conductive resin composition according to claim 1,
wherein the resin component is present in an amount of 20 to 50% by weight based on the total weight of the conductive resin composition, and the conductive filler is present in an amount of 50 to 80% by weight based on the total weight of the conductive resin composition.

4. The conductive resin composition according to claim 1,

wherein the weight ratio of the graphite powder to the fine carbon fiber in the conductive filler is from 1:1 to 1:30.

5. The conductive resin composition according to claim 2,

wherein the weight ratio of the graphite powder to the carbon black in the conductive filler is from 1:1 to 4:1.

6. The conductive resin composition according to claim 2,

wherein the weight ratio of the carbon black to the fine carbon fiber in the conductive filler is from 1:1 to 7:1.

7. The conductive resin composition according to claim 6,

wherein the weight ratio of the graphite powder to the sum of the carbon black and the fine carbon fiber in the conductive filler is from 1:1 to 4:1.

8. A fuel cell separator comprising a conductive resin composition according to claim 1.

9. A process for producing a fuel cell separator comprising the steps of:

providing a conductive resin composition according to claim 1;

molding the conductive resin composition by injection molding or extrusion molding.